



Neutrino R&D Interests

M. Zisman 9-4-02

- Accelerator physicist, interested in promoting LBNL involvement in state-of-the-art accelerators for HEP
- R&D project manager for U.S. Neutrino Factory and **M**uon Collider **C**ollaboration
 - help organize national R&D program aimed at eventual Neutrino Factory construction, and perhaps ultimately a Muon Collider
 - **MC** comprises groups from BNL, FNAL, LBNL, ANL, Cornell, Jlab, UCLA, U-Miss., UC-Berkeley, Princeton, various ICAR universities
- I think it is important to maintain LBNL-AFRD involvement in this key area of science
 - our expertise addresses critical issues in development of Neutrino Factory (high-gradient NCRF, high-field SC solenoids)
 - involvement should be in Lab-wide scientific context that evolves toward Neutrino Factory (which I think can be built!)
- International test of ionization cooling (**MICE**) would be a natural place to involve Physics Division staff, especially post-docs or students